

RAW SEQUENCE LISTING

72

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/524,198
Source: PUT/0
Date Processed by STIC: 2/26/05

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PC

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/524,198

DATE: 02/26/2005
TIME: 10:44:18

Input Set : A:\2002.013 SEQ LIST.txt
Output Set: N:\CRF4\02262005\J524198.raw

3 <110> APPLICANT: AKZO Nobel N.V.
5 <120> TITLE OF INVENTION: Novel mastitis vaccine
7 <130> FILE REFERENCE: 2002.013
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/524,198
C--> 9 <141> CURRENT FILING DATE: 2005-02-10
9 <160> NUMBER OF SEQ ID NOS: 2
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 603
15 <212> TYPE: DNA
16 <213> ORGANISM: Streptococcus uberis
18 <220> FEATURE:
19 <221> NAME/KEY: CDS
20 <222> LOCATION: (1)..(600)
21 <223> OTHER INFORMATION:
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26 Met Phe Lys Phe Leu Lys Arg Val Val Phe Leu Ala Phe Leu Ile Phe
27 1 5 10 15
29 tgt ttt tat caa gct tat ata aca cat caa aat gta caa aat gtc atg 96
30 Cys Phe Tyr Gln Ala Tyr Ile Thr His Gln Asn Val Gln Asn Val Met
31 20 25 30
33 caa tac aaa cca atg gtt gaa aaa acc ttg gct gaa aat gat acg act 144
34 Gln Tyr Lys Pro Met Val Glu Lys Thr Leu Ala Glu Asn Asp Thr Thr
35 35 40 45
37 gcc aat gtc aat tta gtt tta gca atg atc tac aca gaa aca aaa ggt 192
38 Ala Asn Val Asn Leu Val Leu Ala Met Ile Tyr Thr Glu Thr Lys Gly
39 50 55 60
41 ggt cag gca gat gtc atg caa tct agc gaa agt agt ggt gtg act 240
42 Gly Gln Ala Asp Val Met Gln Ser Ser Glu Ser Ser Gly Val Thr
43 65 70 75 80
45 aac tca att acc gac agt caa tct agt att caa cac ggt gtc aaa ctc 288
46 Asn Ser Ile Thr Asp Ser Gln Ser Ser Ile Gln His Gly Val Lys Leu
47 85 90 95
49 ttg tct gag aat ttg act tta gct gag aaa gct gga gta gac tct tgg 336
50 Leu Ser Glu Asn Leu Thr Leu Ala Glu Lys Ala Gly Val Asp Ser Trp
51 100 105 110
53 act gca gta caa gct tac aat ttt gga aca gct tac att gat tat gtg 384
54 Thr Ala Val Gln Ala Tyr Asn Phe Gly Thr Ala Tyr Ile Asp Tyr Val
55 115 120 125
57 gca aaa aat ggt ggt gac aac act atc tct ttg gct agt cat tat tct 432
58 Ala Lys Asn Gly Gly Asp Asn Thr Ile Ser Leu Ala Ser His Tyr Ser
59 130 135 140

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61	aaa	agt	gtt	gta	gct	cca	agt	tta	ggg	aat	aag	gat	gga	aaa	atg	tat	480
62	Lys	Ser	Val	Val	Ala	Pro	Ser	Leu	Gly	Asn	Lys	Asp	Gly	Lys	Met	Tyr	
63	145							150			155				160		
65	tta	tat	tac	cat	cca	att	gcc	ctc	ctc	tat	ggc	ggt	aaa	ctt	tat	caa	528
66	Leu	Tyr	Tyr	His	Pro	Ile	Ala	Leu	Leu	Tyr	Gly	Gly	Lys	Leu	Tyr	Gln	
67								165			170				175		
69	aat	ggt	aat	att	tat	tat	tca	cga	gaa	gtt	cat	ttt	aat	tat	tac		576
70	Asn	Gly	Gly	Asn	Ile	Tyr	Tyr	Ser	Arg	Glu	Val	His	Phe	Asn	Tyr	Tyr	
71								180			185				190		
73	ctc	ata	caa	tta	tta	tct	aaa	ttt	taa								603
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89	Cys	Phe	Tyr	Gln	Ala	Tyr	Ile	Thr	His	Gln	Asn	Val	Gln	Asn	Val	Met	
90							20			25				30			
93	Gln	Tyr	Lys	Pro	Met	Val	Glu	Lys	Thr	Leu	Ala	Glu	Asn	Asp	Thr	Thr	
94							35			40				45			
97	Ala	Asn	Val	Asn	Leu	Val	Leu	Ala	Met	Ile	Tyr	Thr	Glu	Thr	Lys	Gly	
98							50			55				60			
101	Gly	Gln	Ala	Asp	Val	Met	Gln	Ser	Ser	Glu	Ser	Ser	Ser	Gly	Val	Thr	
102	65						70			75				80			
105	Asn	Ser	Ile	Thr	Asp	Ser	Gln	Ser	Ser	Ile	Gln	His	Gly	Val	Lys	Leu	
106							85			90				95			
109	Leu	Ser	Glu	Asn	Leu	Thr	Leu	Ala	Glu	Lys	Ala	Gly	Val	Asp	Ser	Trp	
110							100			105				110			
113	Thr	Ala	Val	Gln	Ala	Tyr	Asn	Phe	Gly	Thr	Ala	Tyr	Ile	Asp	Tyr	Val	
114							115			120				125			
117	Ala	Lys	Asn	Gly	Gly	Asp	Asn	Thr	Ile	Ser	Leu	Ala	Ser	His	Tyr	Ser	
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122	145							150			155				160		
125	Leu	Tyr	Tyr	His	Pro	Ile	Ala	Leu	Leu	Tyr	Gly	Gly	Lys	Leu	Tyr	Gln	
126								165			170				175		
129	Asn	Gly	Gly	Asn	Ile	Tyr	Tyr	Ser	Arg	Glu	Val	His	Phe	Asn	Tyr	Tyr	
130								180			185				190		
133	Leu	Ile	Gln	Leu	Leu	Ser	Lys	Phe									
134							195			200							

VERIFICATION SUMMARY
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:24 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:21